

Titles of Most Frequently Occurring Classifications of Patents Returned  
From A Search of 09692420 on November 01, 2001

4 375/219 (2 OR, 2 XR)

Class 375 : PULSE OR DIGITAL COMMUNICATIONS  
375/219 TRANSCEIVERS

4 455/260 (0 OR, 4 XR)

Class 455 : TELECOMMUNICATIONS  
455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY  
CONVERTER  
455/230 .Local control of receiver operation  
455/255 ..Local oscillator frequency control  
455/257 ...Automatic  
455/258 ....Utilizing particular local oscillator  
control  
455/259 .....Reference oscillator or source  
455/260 .....Phase lock loop or frequency synthesizer

4 455/86 (2 OR, 2 XR)

Class 455 : TELECOMMUNICATIONS  
455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.,  
TRANSCIVER)  
455/84 .With a common signal processing stage  
455/86 ..Transmitter oscillator used as local  
oscillator

3 331/25 (0 OR, 3 XR)

Class 331 : OSCILLATORS  
331/1R AUTOMATIC FREQUENCY STABILIZATION USING A PHASE  
OR FREQUENCY SENSING MEANS  
331/18 .With reference oscillator or source  
331/25 ..Signal or phase comparator

3 455/296 (0 OR, 3 XR)

Class 455 : TELECOMMUNICATIONS  
455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY  
CONVERTER  
455/296 .Noise or interference elimination

3 455/73 (0 OR, 3 XR)

Class 455 : TELECOMMUNICATIONS  
455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.,

TRANSCEIVER)

- 3 455/78 (0 OR, 3 XR)  
Class 455 : TELECOMMUNICATIONS  
455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.,  
TRANSCEIVER)  
455/78 .With transmitter-receiver switching or  
interaction prevention
- 3 455/84 (1 OR, 2 XR)  
Class 455 : TELECOMMUNICATIONS  
455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.,  
TRANSCEIVER)  
455/84 .With a common signal processing stage
- 3 455/87 (0 OR, 3 XR)  
Class 455 : TELECOMMUNICATIONS  
455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.,  
TRANSCEIVER)  
455/84 .With a common signal processing stage  
455/86 ..Transmitter oscillator used as local  
oscillator  
455/87 ...Tunable or variable
- 2 330/149 (0 OR, 2 XR)  
Class 330 : AMPLIFIERS  
330/149 HUM OR NOISE OR DISTORTION BUCKING INTRODUCED  
INTO SIGNAL CHANNEL
- 2 330/252 (1 OR, 1 XR)  
Class 330 : AMPLIFIERS  
330/250 WITH SEMICONDUCTOR AMPLIFYING DEVICE (E.G.,  
TRANSISTOR)  
330/252 .Including differential amplifier
- 2 330/284 (0 OR, 2 XR)  
Class 330 : AMPLIFIERS  
330/250 WITH SEMICONDUCTOR AMPLIFYING DEVICE (E.G.,  
TRANSISTOR)  
330/278 .Including gain control means  
330/284 ..Having attenuation means in signal  
transmission path
- 2 330/285 (0 OR, 2 XR)  
Class 330 : AMPLIFIERS

- 330/250 WITH SEMICONDUCTOR AMPLIFYING DEVICE (E.G.,  
TRANSISTOR)
- 330/278 .Including gain control means
- 330/285 ..Having particular biasing means
- 2 330/305 (0 OR, 2 XR)  
Class 330 : AMPLIFIERS
- 330/250 WITH SEMICONDUCTOR AMPLIFYING DEVICE (E.G.,  
TRANSISTOR)
- 330/302 .Including frequency-responsive means in the  
signal transmission path
- 330/305 ..And tuning means
- 2 330/306 (2 OR, 0 XR)  
Class 330 : AMPLIFIERS
- 330/250 WITH SEMICONDUCTOR AMPLIFYING DEVICE (E.G.,  
TRANSISTOR)
- 330/302 .Including frequency-responsive means in the  
signal transmission path
- 330/306 ..And bandpass, broadband (e.g., wideband) or  
sidepass means
- 2 330/311 (0 OR, 2 XR)  
Class 330 : AMPLIFIERS
- 330/250 WITH SEMICONDUCTOR AMPLIFYING DEVICE (E.G.,  
TRANSISTOR)
- 330/310 .Including plural stages cascaded
- 330/311 ..Having different configurations
- 2 330/51 (2 OR, 0 XR)  
Class 330 : AMPLIFIERS
- 330/51 COMBINED WITH AUTOMATIC AMPLIFIER DISABLING  
SWITCH MEANS
- 2 331/117R (2 OR, 0 XR)  
Class 331 : OSCILLATORS
- 331/107R SOLID STATE ACTIVE ELEMENT OSCILLATOR
- 331/108R .Transistors
- 331/117R ..L-C type
- 2 331/17 (1 OR, 1 XR)  
Class 331 : OSCILLATORS
- 331/1R AUTOMATIC FREQUENCY STABILIZATION USING A PHASE  
OR FREQUENCY SENSING MEANS
- 331/17 .Particular error voltage control (e.g.,

integrating network)

2 331/177V (0 OR, 2 XR)

Class 331 : OSCILLATORS

331/177R WITH FREQUENCY ADJUSTING MEANS

331/177V .With voltage sensitive capacitor

2 331/179 (0 OR, 2 XR)

Class 331 : OSCILLATORS

331/177R WITH FREQUENCY ADJUSTING MEANS

331/179 .Step-frequency change (e.g., band selection,  
frequency-shift keying)

2 331/1A (0 OR, 2 XR)

Class 331 : OSCILLATORS

331/1R AUTOMATIC FREQUENCY STABILIZATION USING A PHASE  
OR FREQUENCY SENSING MEANS

331/1A .AFC with logic elements

2 331/36C (0 OR, 2 XR)

Class 331 : OSCILLATORS

331/1R AUTOMATIC FREQUENCY STABILIZATION USING A PHASE  
OR FREQUENCY SENSING MEANS

331/34 .Particular frequency control means

331/36R ..Reactance device (e.g., variable capacitors,  
saturable inductors, reactance tubes, etc.)

331/36C ...Capacitor controlled AFC

2 331/36L (0 OR, 2 XR)

Class 331 : OSCILLATORS

331/1R AUTOMATIC FREQUENCY STABILIZATION USING A PHASE  
OR FREQUENCY SENSING MEANS

331/34 .Particular frequency control means

331/36R ..Reactance device (e.g., variable capacitors,  
saturable inductors, reactance tubes, etc.)

331/36L ...Inductor controlled AFC

2 342/128 (0 OR, 2 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES

342/118 DETERMINING DISTANCE

342/128 .With frequency modulation

2 342/175 (1 OR, 1 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS

- AND DEVICES  
342/175 WITH PARTICULAR CIRCUIT
- 2 342/70 (1 OR, 1 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/61 RETURN SIGNAL CONTROLS EXTERNAL DEVICE  
342/70 .Radar mounted on and controls land vehicle
- 2 375/329 (0 OR, 2 XR)  
Class 375 : PULSE OR DIGITAL COMMUNICATIONS  
375/316 RECEIVERS  
375/322 .Angle modulation  
375/329 ..Phase shift keying
- 2 375/346 (1 OR, 1 XR)  
Class 375 : PULSE OR DIGITAL COMMUNICATIONS  
375/316 RECEIVERS  
375/346 .Interference or noise reduction
- 2 455/115 (0 OR, 2 XR)  
Class 455 : TELECOMMUNICATIONS  
455/91 TRANSMITTER  
455/115 .Measuring, testing, or monitoring of  
transmitter
- 2 455/127 (0 OR, 2 XR)  
Class 455 : TELECOMMUNICATIONS  
455/91 TRANSMITTER  
455/127 .Power or bias voltage supply
- 2 455/191.2 (0 OR, 2 XR)  
Class 455 : TELECOMMUNICATIONS  
455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY  
CONVERTER  
455/150.1 .Signal selection based on frequency (e.g.,  
tuning)  
455/188.1 ..Band selection  
455/191.1 ...With plurality of tuned circuits  
455/191.2 ....Varactor tuned
- 2 455/324 (1 OR, 1 XR)  
Class 455 : TELECOMMUNICATIONS  
455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY  
CONVERTER

455/313 .Frequency modifying or conversion  
455/323 ..Particular frequency conversion structure or  
circuitry  
455/324 ...Homodyne (i.e., zero beat or synchrodyne  
reception)

2 455/76 (1 OR, 1 XR)

Class 455 : TELECOMMUNICATIONS

455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.,  
TRANSCEIVER)

455/75 .With frequency stabilization (e.g., automatic  
frequency control)

455/76 ..Synthesizer

2 455/80 (0 OR, 2 XR)

Class 455 : TELECOMMUNICATIONS

455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.,  
TRANSCEIVER)

455/78 .With transmitter-receiver switching or  
interaction prevention

455/79 ..Automatic (e.g., voice operated)

455/80 ...With distributed parameter coupling

2 455/83 (0 OR, 2 XR)

Class 455 : TELECOMMUNICATIONS

455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.,  
TRANSCEIVER)

455/78 .With transmitter-receiver switching or  
interaction prevention

455/83 ..Single antenna switched between transmitter  
and receiver

Most Frequently Occurring Classifications of Patents Returned  
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Original Classifications

2 330/306  
2 330/51  
2 331/117R  
2 375/219  
2 455/86

Cross-Reference Classifications

4 455/260  
3 331/25  
3 455/296  
3 455/73  
3 455/78  
3 455/87  
2 330/149  
2 330/284  
2 330/285  
2 330/305  
2 330/311  
2 331/177V  
2 331/179  
2 331/1A  
2 331/36C  
2 331/36L  
2 342/128  
2 375/219  
2 375/329  
2 455/115  
2 455/127  
2 455/191.2  
2 455/80  
2 455/83  
2 455/84  
2 455/86

Combined Classifications

4 375/219  
4 455/260  
4 455/86  
3 331/25  
3 455/296

3 455/73  
3 455/78  
3 455/84  
3 455/87  
2 330/149  
2 330/252  
2 330/284  
2 330/285  
2 330/305  
2 330/306  
2 330/311  
2 330/51  
2 331/117R  
2 331/17  
2 331/177V  
2 331/179  
2 331/1A  
2 331/36C  
2 331/36L  
2 342/128  
2 342/175  
2 342/70  
2 375/329  
2 375/346  
2 455/115  
2 455/127  
2 455/191.2  
2 455/324  
2 455/76  
2 455/80  
2 455/83



PLUS Search Results for S/N 09692420, Searched November 01, 2001

5568201  
5892403  
6240142  
5418498  
6147576  
6081697  
5495255  
5614909  
5805026  
5828955  
5881376  
5930686  
6118984  
6175279  
5825813  
5893027  
6218909  
6218909  
5635870  
5903192  
5770970  
5471187  
5515364  
6201829  
5455680  
5416803  
6100759  
5777530  
5278519  
5406227  
5697074  
6215355  
6215355  
4797637  
5400359  
4626728  
4247948  
5590413  
6118811  
6009129  
6111468  
4979233  
5432855

4977613  
5568511  
6194947  
4287894  
4442537  
5894592  
4573215